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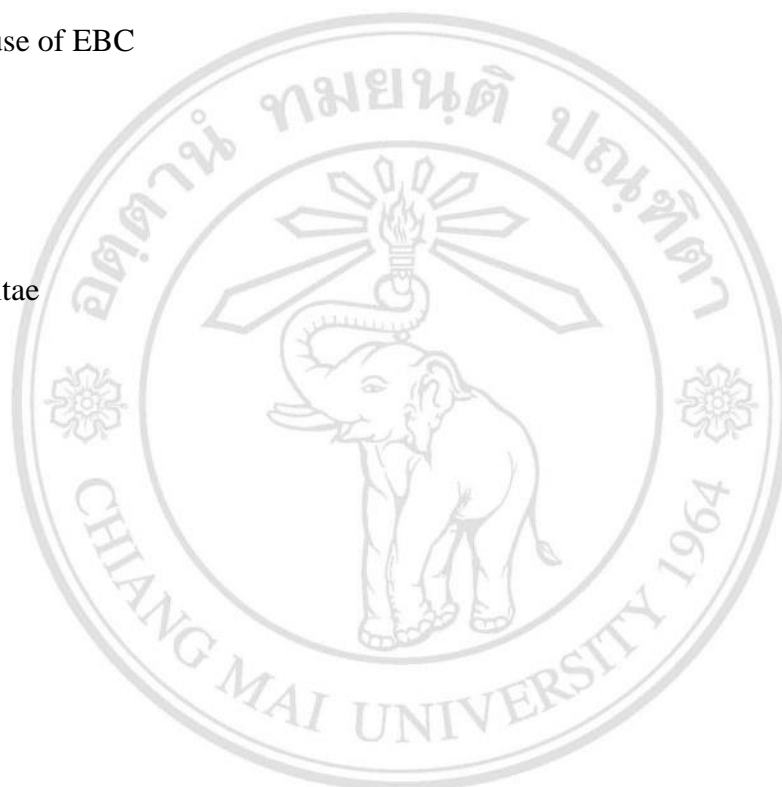
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LIST OF ABBREVIATIONS

ARDS	Adult respiratory distress syndrome
CM station	Chiang Mai city hall air monitoring station
CO	Carbon monoxide
COPD	Chronic obstructive pulmonary disease
EBC	Exhaled breath condensate
EIA	Enzyme immune assay
FEV ₁	Forced expired volume in first second
FVC	Force vital capacity
H ₂ O ₂	Hydrogen peroxide
HOCl	Hypochlorous acid
HPLC	High performance liquid chromatography
MDA	Malondialdehyde
MPO	Myeloperoxidase
MS	Mass spectrometry technique
NADPH	Nicotinamide adenine dinucleotide phosphate
NO ₂	Nitrogen dioxide
·OH	Hydroxyl radical
O ₂ ⁻	Superoxide anion
O ₃	Ozone
PCD	The Pollution Control Department
PEFR	Peak expiratory flow rate
PFT	Pulmonary function test
PM	Particulate matter
PM ₁₀	Particulate matter with an aerodynamic diameter less than 10 μM

LIST OF ABBREVIATIONS (CONT)

PM _{2.5}	Particulate matter with an aerodynamic diameter less than 2.5 μM
RNS	Reactive nitrogen species
ROS	Reactive oxygen species
rpm	Revolution per minutes
SN school	Srinaeroo School
SO ₂	Sulfur dioxide
SPSS	Statistical Package for Social Science
ST school	Chiang Mai Rajabhat Demonstration School
TBA	Thiobarbituric acid
TBARS	Thiobarbituric acid reacting substances
VOCs	Volatile organic carbons
WHO	World Health Organization
YP station	Yupparaj Wittayalai School air monitoring

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ข้อความแห่งการริเริ่ม

ข้าพเจ้าขอรับรองว่าองค์ความรู้และเนื้อหาของวิทยานิพนธ์ฉบับนี้เป็นผลการวิจัยของข้าพเจ้า และไม่เคยได้รับการตีพิมพ์ หรือเป็นวิทยานิพนธ์ของปริญญาในระดับใดมาก่อน



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STATEMENT OF ORIGINALITY

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